

FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING

M.E. COMMUNICATION SYSTEMS (R 2021)

SEMESTER – I

Course Code: EL4161 Course Title: Digital Communication Systems Laboratory		
Sl. No.	Description of Equipment	Required numbers (for batch of 25 students)
1.	Software Defined Radio Device (USRP/WarpLab/WicommT or Equivalent) with antenna	2 Nos.
2.	PC loaded with MATLAB/LABVIEW/GNU RADIO or Equivalent	14 users (licensed/open source)

FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING

M.E. COMMUNICATION SYSTEMS (R 2021)

SEMESTER – I

Course Code: CU4161 Course Title: Advanced Digital Signal Processing Laboratory		
Sl. No.	Description of Equipment	Required numbers (for batch of 25 students)
1.	MATLAB with Simulink and Signal Processing Tool Box or Equivalent Software in desktop systems	14 users (licensed/open source)
2.	Fixed and Floating point DSP Processor and Interfacing tool	14 users
3.	Signal Generators (5MHz)	5 Nos
4.	DSO / CRO (20MHz)	5 Nos

FACULTY OF INFORMATION AND COMMUNICATION ENGINEERING**M.E. COMMUNICATION SYSTEMS (R 2021)****SEMESTER – II**

Course Code: CU4211 Course Title: Wireless Communication Laboratory		
Sl. No.	Description of Equipment	Required numbers (for batch of 25 students)
1.	Qualnet 6.1 (Teaching)	3
2.	Qualnet 6.1 (Research)	3
3.	System View With Hardware Lock	15
4.	GSM Kit	3
5.	Channel Estimation & Equalization kit	3
6.	Frame Detection & Frequency Offset Correction kit	3
7.	OFDM Modulation & Frequency Domain Equalization kit	3
8.	Channel Coding in OFDM Systems kit	3
9.	IP Telephony Setup with 3 IP phone	3
10.	Desktop Pentium (R) CPU@ 3.4 GHz	15
11.	Desktop (32 bit OS) Intel(R) Core(TM)-i5-4570 CPU @ 3.2 GHz *4	2
12.	Desktop (64 bit OS) Intel(R) Core(TM)-i5-4570 CPU @ 3.2 GHz *4	2
13.	UPS Battery, Volt-12, Capacity-26Ah	15
14.	CRO 30 MHz HM203	15
15.	Function Generator	15

16.	Dual Channel Power Supply(0v-30v) DC	15
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